

Converting Colors

`RYB(44, 128, 228)`

Have a look what the booklet for RYB(44, 128, 228) contains.

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Color

`RYB(44, 128, 228)`

Conversions

Conversions Part 1

Format	Color
Hex	2CC7E4
RGB	44, 199, 228
RGB Percent	17%, 78%, 89%
CMY	0.8275, 0.2213, 0.1059
CMYK	0.81, 0.13, 0.00, 0.11
HSL	190°, 77%, 53%
HSV	190°, 81%, 89%
XYZ	35.3646, 46.7816, 80.5646
YIQ	155.9610, -101.6890, -23.8410

Conversions

Conversions Part 2

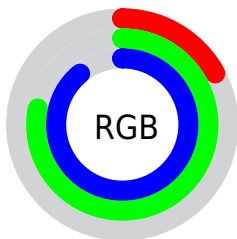
Format	Color
RYP	44, 128, 228
Decimal	2934756
CIELab	74.05, -28.52, -25.64
CIElCh	74, 38.351, 221.948
Yxy	46.7816, 0.2173, 0.2875
Android (android.graphics.Color)	4281124836 (0xFF2CC7E4)
YUV	155.9610, 35.5152, -98.1898
Hunter-Lab	68.3971, -27.4016, -21.9595

Details

The RYB color **44, 128, 228** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **228, 78, 44**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **122, 189, 255**, and **0, 79, 173** is the 20% darker color. If you saturate the color by 10%, you get **21, 116, 228**, and if you desaturate by 10%, it is **67, 140, 228**.

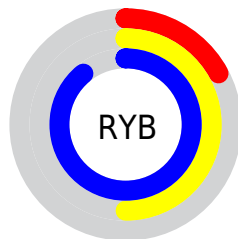
Distribution



Red (17%)

Green (78%)

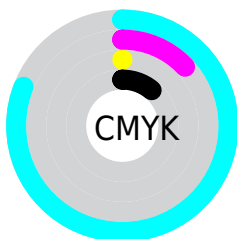
Blue (89%)



Red (17%)

Yellow (50%)

Blue (89%)

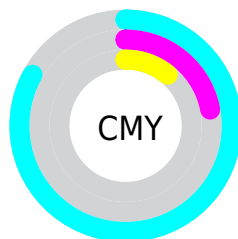


Cyan (81%)

Magenta (13%)

Yellow (0%)

Black (11%)



Cyan (83%)


















Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 44, 128, 228 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 44, 128, 228 by changing the saturation by 10% instead.

 44, 128, 228	 44, 128, 228
 255, 255, 255	 0, 92, 200
 122, 189, 255	 0, 79, 173
 154, 205, 255	 0, 65, 146
 185, 220, 255	 0, 52, 120
 216, 236, 255	 0, 40, 95
 248, 252, 255	 0, 28, 71
	 0, 17, 49
	 0, 1, 28
	 0, 0, 0

■ 44, 128, 228

■ 44, 128, 228

■ 21, 116, 228

■ 67, 140, 228

■ 0, 104, 228

■ 90, 153, 228

■ 112, 165, 228

■ 135, 177, 228

■ 158, 190, 228

■ 181, 202, 228

■ 204, 215, 228

■ 226, 227, 228

■ 249, 232, 228

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62, 133, 201



44, 128, 228



95, 154, 248

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44, 128, 228



237, 158, 205



121, 192, 112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44, 128, 228



228, 78, 44

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



211, 224, 115



44, 128, 228



251, 155, 169

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44, 128, 228



204, 168, 235



245, 168, 137



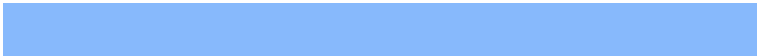
128, 194, 169

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44, 128, 228



135, 170, 252



245, 168, 137



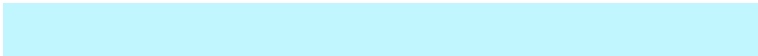
140, 203, 111

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44, 128, 228



194, 222, 255



44, 204, 228



91, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 128, 228



8, 121, 255



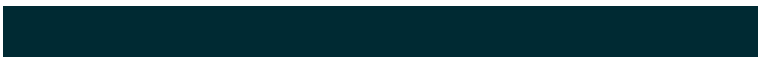
44, 91, 228



103, 108, 115



0, 82, 179



0, 23, 51

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



228, 44, 199



255, 8, 215



142, 228, 44



115, 103, 113



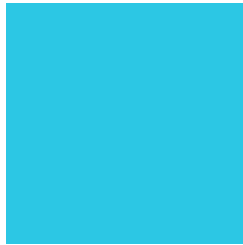
179, 0, 150



51, 0, 43

Previews

White Background



This preview shows how the RYB color 44, 128, 228 looks on a white background.

Color Contrast Check

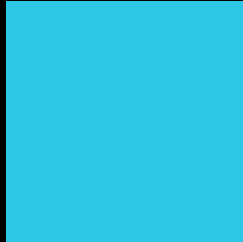
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 44, 128, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

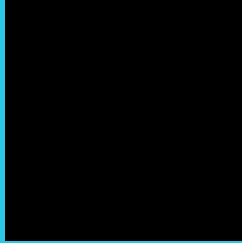
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYP 44, 128, 228 Background



This preview shows how black text looks on a background with the RYB color 44, 128, 228.

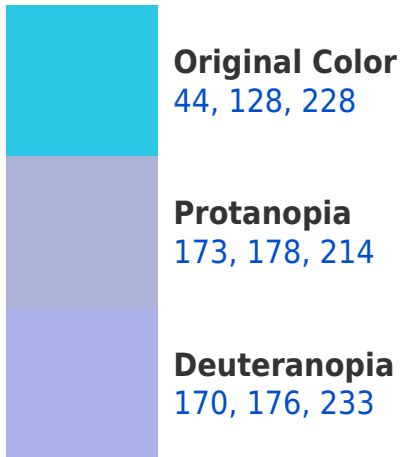


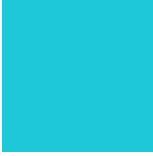
This preview shows how white text looks on a background with the RYB color 44, 128, 228.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
30, 119, 217

Trichromacy



Original Color

44, 128, 228



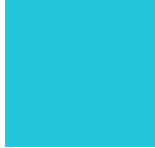
Protanomaly

126, 162, 219



Deuteranomaly

124, 163, 231



Tritanomaly

35, 122, 221

Monochromacy



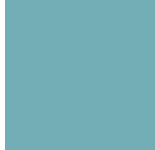
Original Color

44, 128, 228



Achromatopsia

156, 156, 156



Achromatomaly

115, 146, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 44, 128, 228 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(44, 199, 228)` looks like.

```
.text, #text, p{  
    color:rgb(44, 199, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(44, 199, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 199, 228) }
```

Border

The CSS property to change the border of an element to RYB 44, 128, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(44, 199, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(44, 199, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(44, 199, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 199, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 199, 228);  
box-shadow:4px 4px 4px 4px rgb(44, 199,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 44, 128, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 199, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(44, 199,  
228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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